

Notice of Allowability

Application No.

10/722,809

Applicant(s)

SHIM ET AL.

Examiner

Mazda Sabouri

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendments filed on 11/26/2007.
2. ☒ The allowed claim(s) is/are 2-10, 12-16, 18-20, 32 and 33.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 20080213.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Joseph J. Kolodka on 2/13/2008.

The application has been amended as follows:

In claim 5, lines 15 and 16 replace "minus a time at which the second access node is provided with the information from the mobile terminal" with –minus a time at which the first access node provides the information to the mobile terminal--.

In claim 13, lines 15 and 16 replace "minus a time at which the second access node is provided with the information from the mobile terminal" with –minus a time at which the first access node provides the information to the mobile terminal--.

Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance:

3. **Claims 5, 13 and 18** recite a mobile terminal, access node and method. In these claims the mobile terminal receives a ticket and information from a first access node prior to handoff. The mobile terminal transmits the ticket and information to a second

access node after handoff. The second access node verifies the ticket with the first access node before updating information on candidate access nodes. The first and second access nodes use the ticket to measure a delay. The delay is measured by subtracting the ticket generation time (or time which the ticket is provided to the mobile terminal by the first access node) and the stay time from the current system time. Prior art of record teaches many of the limitations recited in the claim. For instance, US 2005/0105491 (Chasker et al.) teaches a mobile terminal receiving information from a first access node (PAR) and sending that information to a second access node (NAR) after handover. The second access node verifies the information with the first access node before updating its candidate access node information. Chasker also teaches checking whether the mobile terminal was recently present at the first access node (see Chasker, paragraphs 26 and 53). What Chasker lacks is the verification of tickets and the use of a current system time, ticket generation time and stay time for calculating a delay. US 7065340 (Einola et al.) and US 6370380 (Norefors et al.) have teachings applicable to the verification of tickets (see Einola, column 8, lines 4-22 and Norefors, column 2, lines 56-67 and column 3, lines 1-33). Norefors further teaches measuring a delay using a current system time and a ticket generation time (see Norefors, column 3, lines 22-33). However, none of the prior art teaches subtracting the ticket generation time and stay time from the current system time for the purpose of measuring a delay.

4. All other claims depend on claim 5, 13 and 18.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

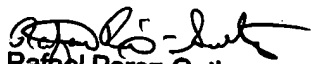
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mazda Sabouri whose telephone number is 571-272-8892. The examiner can normally be reached on Monday-Friday from 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rafael Perez-Gutierrez can be reached on 571-272-7915. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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MS


Rafael Perez-Gutierrez
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2/13/02